



# UNITED STATES PATENT AND TRADEMARK OFFICE

701  
UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/863,064	05/21/2001	Robert Wesley Bossemeyer JR.	8285/423	9732
757	7590	08/03/2005	EXAMINER	
BRINKS HOFER GILSON & LIONE P.O. BOX 10395 CHICAGO, IL 60610				JUNG, MIN
ART UNIT		PAPER NUMBER		
		2663		

DATE MAILED: 08/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/863,064	BOSSEMEYER ET AL.
Examiner	Art Unit	
Min Jung	2663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 1/28/05, and office letter 6/7/05.

2a)  This action is FINAL.                            2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4)  Claim(s) 28-48 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5)  Claim(s) \_\_\_\_\_ is/are allowed.  
6)  Claim(s) 28-48 is/are rejected.  
7)  Claim(s) \_\_\_\_\_ is/are objected to.  
8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5)  Notice of Informal Patent Application (PTO-152)  
6)  Other: \_\_\_\_\_.  
\_\_\_\_\_

## **DETAILED ACTION**

1. Applicant is advised that the Notice of Allowance mailed May 18, 2005 is vacated. If the issue fee has already been paid, applicant may request a refund or request that the fee be credited to a deposit account. However, applicant may wait until the application is either found allowable or held abandoned. If allowed, upon receipt of a new Notice of Allowance, applicant may request that the previously submitted issue fee be applied. If abandoned, applicant may request refund or credit to a specified Deposit Account.
2. The indicated allowability of claim 48 is withdrawn in view of the newly discovered reference(s) to DeNap et al., US 6,490,273 (DeNap). Rejections based on the newly cited reference(s) follow.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000.

Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claim 48 is rejected under 35 U.S.C. 102(e) as being anticipated by DeNap.

DeNap discloses an ATM architecture migration scheme. Specifically regarding the present claim 48, DeNap teaches a system for providing facsimile service over a digital subscriber line (Figs. 1 and 2), comprising: a facsimile machine coupled to a packet data switch (CPE comprising fax machines connected to the business hub 210, and to the metropolitan ATM network 110, Figs. 1 and 2, and col. 5, lines 47-51); the packet data switch coupled to the digital subscriber line (col. 2, lines 13-29, and col. 12, lines 9-17), wherein the digital subscriber line includes a first virtual circuit and a second virtual circuit (throughout the DeNap teaching, PVCs and SVCs are referred in a plural form meaning that there are more than one virtual circuits); an interworking unit coupled to the second virtual circuit, the second virtual circuit connected to the facsimile machine (PSTN gateway and business hub 101 which includes fax machines coupled to the virtual circuits, col. 7, lines 33-55); a public switched telephone network connected to the interworking unit (PSTN 150 connected to the service node including a gateway 120, Fig. 1); and a facsimile machine connected to the public switched telephone network (the businesses 101-104 including fax machines, Fig. 1).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 28-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over DeNap.

DeNap fails to specifically teach the steps of dialing a telephone number, setting up a circuit switched connection, converting the facsimile data to form a packetized facsimile data, formatting the packetized facsimile data in a local area network protocol, emulating an analog facsimile data standard at the packet data network gateway, converting the packetized facsimile data to the analog facsimile data by a subscriber unit, etc. Although DeNap fails to specifically teach the detailed features recited in the claims, DeNap provides the whole picture of providing facsimile service over ATM network including PVC based ATM service using xDSL/ATM connections, CPE of the business 101 comprising a LAN 301, a service node including a PSTN gateway, and Public Switched Telephone Network 150. From the teaching, it is obvious that a telephone number dialing should be performed to initiate the facsimile call, and that a circuit switched connection needs to be set up, etc. Therefore, it would have been obvious for one of ordinary skill in the art at the time of the invention to utilize the DeNap system by performing the specific steps recited in the claims since the steps of dialing, setting up, routing, converting, formatting, etc. are inherent steps (if not required steps) to perform facsimile communication over the DSL/ATM connections.

Art Unit: 2663

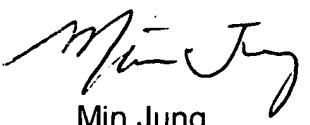
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Min Jung whose telephone number is 571-272-3127.

The examiner can normally be reached on Monday, Thursday, Friday 7:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on 571-272-3139. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MJ  
August 1, 2005



Min Jung  
Primary Examiner